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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/550,259	09/21/2005	Masahiro Hagiwara	Q90407	1176	
23373 7590 6828/2008 SUGHRUE MON, PLLC 2100 PENNSYI VANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			EXAM	EXAMINER	
			NAKARANI, DHIRAJLAL S		
			ART UNIT	PAPER NUMBER	
			1794		
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			08/28/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/550 259 HAGIWARA ET AL. Office Action Summary Examiner Art Unit D. S. Nakarani 1794 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 12 May 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-5 and 8-26 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-5 and 8-26 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. Notice of Draftsperson's Patent Drawing Review (PTO-948) Notice of Informal Patent Application 3) Information Disclosure Statement(s) (PTO/S5/08)

Paper No(s)/Mail Date _

6) Other:

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DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code not included in this action can

be found in a prior Office action.

2. Claims 1-5, 9-12, 14-21 and 24-26 are rejected under 35 U.S.C. 102(b) as being

anticipated by Kondo (U.S. Patent 6,329,061 B2).

Kondo discloses a dispersion comprising tin doped indium oxide, plasticizer such

as triethyleneglycol-di-2-ethylbutyrate, alcohol such as ethanol and polyvinyl butyral

resin. An interlayer formed using the dispersion and the glass laminate formed with the

laminate (Col. 7, line 5 to col. 8, line 10, specifically, Col. 7, line 60 to col. 8, line 9). The

claimed properties specifically not disclosed are deemed to be inherent properties since

plasticizer, solvent and particle size of tin doped indium oxide are same as disclosed in

the instant disclosure.

3. Claims 1-5 and 8-26 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Kondo (U. S. Patent 6,329,061 B2) in view of Kobata et al (U. S. Patent 6,673,456

B1).

Kondo which has been discussed above in paragraph 3, suggest addition of

other additives to the dispersion. However Kondo fails to identify other additives such as

adhesion control agent, chelate, acid etc.

Kobata et al disclose interlayer and the glass laminate. The interlayer comprises

polyvinyl butyral, plasticizer, chelate, organic acid etc. Kobata et al disclose dispersing

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tin doped indium oxide particles in the plasticizer or solvent, chelate, dispersion stabilizer, adhesion control agent, organic acid etc. (Col. 2, line 60 to col. 19, line 20 and Examples).

Therefore it would have been obvious to a person of ordinary skill in the art at the time of this invention made to utilize disclosure of Kobata et al in the invention of Kondo to utilize additives disclosed by Kobata et al to make the dispersion, interlayer and the class laminate with desired properties.

NO claims are allowed.

4. Applicant's arguments filed May 12, 2008 have been fully considered but they are not persuasive. In reference to rejection of claims 1-6, 9-12, 14-21 and 24-26 under 35 U.S.C. 102(b) as being anticipated by Kondo (U. S. Patent 6,329,061 B2) and claims 1-26 under 35 U.S.C. 103(a) as being unpatentable over Kondo (U. S. Patent 6,329,061 B2) in view of Kobata et al (U. S. Patent 6,673,456 B1), Applicants essentially argue that Kondo discloses a laminated glass having an interlayer film in which ultra-fines particles are dispersed. However, in Kondo, there is no description or suggestion of dispersion stabilizers. Furthermore, in Kondo, alcohols are disclosed as solvents for dissolving polyvinyl butyral. However no examples are disclosed in which alcohols are included. Kobata et al disclose an intermediate film for laminated glass containing tindoped indium oxide and/or antimony-doped tin oxide. However Kobata et al do not suggest or disclose using at least one alcohol for preparing dispersions.

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These arguments are unpersuasive because Kondo clearly disclose first dispersing ultra-fine particles, such as tin-doped indium oxide particles, in an alcohol solvent and adding to the dispersion polyvinyl butyral and plasticizer to prepare final composition. Thus Kondo's dispersion meets claimed invention wherein polyvinyl butyral is similar to the dispersion stabilizer claimed in the instant invention unless applicants show on record that polyvinyl butyral of Kondo is not a dispersion stabilizer. There is nothing on record showing that above mentioned Kondo's dispersion does not have argued solvent shock properties. Kobata et al disclosure is used to show other additives which can be added to the interlayer forming dispersions as Kondo suggested.

 THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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 Any inquiry concerning this communication or earlier communications from the examiner should be directed to D. S. Nakarani whose telephone number is (571) 272-1512. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye can be reached on (571) 272-3186. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. S. Nakarani/ D. S. Nakarani Primary Examiner, Art Unit 1794

DSN August 26, 2008.